

As part of Design and Technology, I will be learning about...

Mechanisms— wheels and axles

1. Different types of cars— real and toy cars
  - What they look like
  - What materials they are made of
  - How they are made
  - How their wheels and axels allow them to move

2. Different materials

- Why wood is a good material to use for axels
- How to cut wood safely with a Junior Hacksaw
- How bench hooks help us to be safe when cutting wood

*I will design, make and evaluate my own toy car with axels and moving wheels.*



# The Year 2 Autumn

curriculum is:

## Zoom! Soar! Whizz!

|          |           |             |
|----------|-----------|-------------|
| Identity | Drive     | Excellence  |
| Teamwork | Character | Stewardship |

Thinking about the City of Coventry, the children will investigate significant, local individuals and how they have made a positive difference to our lives and the lives of others in Coventry and beyond.  
 Grab your helmet and get ready for the ride!

As part of Geography, I will be learning about...

- The United Kingdom—its four countries, the capital cities and the names of the surrounding seas
- The flags of the 4 countries in the United Kingdom and the Republic of Ireland
- The Union Jack and how it was created
- Simple compass directions— what they are and how to use them
- Locational and directional language including half, quarter and 3 quarter turns, clockwise and anti-clockwise

As part of Art, I will be learning about...

The bicycle designer James Starley:

- \*What he designed and how his designs changed over time

Observational drawing

- \*How to look closely and copy what you can see
- \*How to use thick and thin lines to add detail to sketches

As part of History, I will be learning about...

1. Famous inventors including:

James Starley

- Who he was and why he was important to the invention of bicycles as we know them today.
- How he is linked to Coventry

Frank Whittle

- Who he was and why he was important to the development of aircrafts
- How he is linked to the city of Coventry

2. How motor cars and bicycles have changed over time
3. The invention of the jet engine and why it was so important
4. How we know about the lives of these inventors including the importance of museums and artefacts
5. How famous inventions have changed our lives today

**Discover, Captivate, Excite, Challenge and Flourish**



**Discover, Captivate and Excite:** A visit to the Coventry Transport Museum. Tesla Experience. Drive a mini-car.

**Challenge Day:** Experimenting with Wheels and Axles

**Flourish: Come and Share:** Sketch parts of bicycles

**Flourish: Time to Shine:** St. John's Motofest—mini car experience